Claim Amendment

Claim1 (original) A method of making a catalyst for carbon nanotubes and nanofibers, comprising:

heating oxygen compound of transition metal in oxidative ambient at a temperature of 800°C through 1, 500° C to be transformed into an agglomerated transition metal oxide; and

powdering the agglomerated transition metal oxide into a minute particle.

Claim 2 (original) The method according to claim 1, wherein the transition metal includes one or more selected from a group consisting of nickel (Ni), cobalt (Co), iron (Fe), molybdenum (Mo), and chrome (Cr).

Claim 3 (original) The method according to claim 1, wherein the oxidation compound of the transition metal includes one or more selected from a group consisting of transition metal oxide, hydroxide, carbide, sulfide and nitride.

Claim 4 (original) The method according to claim 1, wherein the agglomerated transition metal oxide is powdered to have an average particle size of 500, um or below.

Claim 5 (original) The method according to claim 1, wherein the oxygen compound of the transition metal includes oxygen compound of copper.

Claim 6 (original) The method according to claim 5, wherein the oxygen compound of copper ranges from 10% to 50% weight with regard to 100% weight of the transition metal oxide.

Claim 7 (original) The method according to claim 6, wherein the oxygen compound of the transition metal is heated at a temperature of 800°C through 1, 000°C.

Claim 8 (original) The method according to claim 1, wherein the oxygen compound of the transition metal is heated together with a support material selected from a group consisting of silica, alumina and magnesia.

Claim 9 (original) The method according to claim 8, wherein the oxygen compound of the transition metal is heated at a temperature of 1, 000°C through 1, 400°C.

Claim 10 (original) A catalyst for carbon nanotubes and nanofibers, which has an average particle size of 500um or below and in which transition metal oxide and copper oxide are sintered.

Claim 11 (original) A catalyst for carbon nanotubes and nanofibers, which has an average particle size of 500, um or below and in which transition metal oxide and a support material selected from a group consisting of silica, alumina and magnesia are sintered.

Claim 12 (currently amended) The catalyst according to claim 10 ~~or 11~~, wherein the transition metal includes one or more selected from a group consisting of nickel (Ni), cobalt (Co), iron (Fe), molybdenum (Mo), and chrome (Cr).

Claim 13 (new) The catalyst according to claim 11, wherein the transition metal includes one or more selected from a group consisting of nickel (Ni), cobalt (Co), iron (Fe), molybdenum (Mo), and chrome (Cr).

Remarks

This amendment is directed to eliminate multiple dependent claim in the original international application. Applicant has divided the multiple dependent claim to single dependent claims, accordingly.

The multiple dependent claim 12 has been divided to single dependent claims 12 and 13. No multiple dependent claims exist after this amendment. The newly added claim 13 is copied from claim 12 where the only difference is the base claim.

Specification, drawing and abstract remain unchanged.

No new matters are included in this amendment.

Applicant now respectively requests a timely examination of the PCT national stage application in consideration of this preliminary amendment.

Respectively submitted,

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